

# THE TECH

## DAILY

VOL. XXIX. NO. 35.

BOSTON, MASS., MONDAY, NOVEMBER 8, 1909

PRICE ONE CENT

### FIELD DAY DINNER A BIG SUCCESS

#### Pres. Maclaurin Approves Of Athletics---Hopes For A Crew

Seventy-three men enjoyed the dinner Saturday evening, given to the contestants of Field Day, which commenced promptly at seven o'clock. Between the third and fourth courses Major Briggs, who acted as chairman, announced that according to custom the Field Day cup would be passed from man to man and, each before sipping should tell who he was and from where he came. The cup was then started. President Maclaurin was the first to drink. After this the dinner was finished. Major Briggs presented the pigskin to the captain of the victorious football team, who upon receiving it gave a short speech on the merits of the 1913 football team, with especial reference to Mr. Goff, who comes from Princeton. He, though somewhat surprised by the suddenness of the invitation, responded.

President Maclaurin was next called upon. He mentioned the fact that it was his first dinner with the underclassmen and expressed his pleasure in being present. He said he was pleased at the way in which hostilities between the two lower classes were dispensed with on Field Day, and that he thought it was much better to show Anglo-Saxon spirit by depending upon athletic prowess rather than on brute strength. He concluded by saying that he thought it the duty of every man to help athletics at the Institute, not by talk, but by taking some active part. He expressed his hope that some day he might see a Technology crew on the Charles.

Major Briggs gave a short resume of the formation of and advisory council and on how Field Day was brought about. He said we did not need individual stars at the Institute so much as an all-around good team, though stars were helpful nevertheless.

Dean Burton next spoke a few words to the effect that he regarded this as the best Field Day he has ever witnessed. He said credit is due to both classes, that it was virtually a victory for both since both put up a grand fight.

Following this the party broke up with a round of cheers for President Maclaurin, Major Briggs, Dean Burton, the various teams and the two classes.

### FOOTBALL RESULTS

At Stadium—Harvard, 18; Cornell, 0.  
At New Haven—Yale, 23; Brown, 0.  
At Princeton—Dartmouth, 6; Princeton, 6.  
At Exeter—Andover, 3; Exeter, 0.  
At Philadelphia—Pennsylvania, 6; Lafayette, 6.  
At Syracuse—Syracuse, 5; Tufts, 0.  
At Middletown—Williams, 7; Wesleyan, 6.  
At Amherst—Vermont, 5; Amherst, 0.  
At Annapolis—Navy, 0; Washington and Jefferson, 0.  
At Orono—Colby, 17; Maine, 6.  
At Lewiston—Bowdoin, 6; Bates, 0.  
At Ann Arbor—Notre Dame, 11; Michigan, 3.  
At Hartford—Trinity, 64; Storrs, 0.  
At Swarthmore—Villa Nova, 19; Swarthmore, 0.  
At Washington—Carlisle, 9; George Washington, 5.  
At Chicago—Chicago, 34; Northwestern, 0.  
At Lewisburg—Penn. State, 33; Bucknell, 0.  
At Worcester—Worcester Academy, 11; Harvard Freshmen, 6.

### GYM WORK STARTS THIS AFTERNOON

#### Exercising To Time Set By Piano---Innovation This Year

This afternoon at three o'clock, the first freshmen exercises in gymnasium work will be held. The work this year will be run on different lines from that of last year. Coach F. M. Kanaly of the track team has charge of the gymnasium work, and he will be ably assisted by Mr. J. J. McNamara, who has had many years of experience in this kind of work.

An innovation this year will be doing the work to music. The music will be furnished by Miss Eed on the piano. This will tend to make the work more pleasant and will produce perfect system which is an essential feature in gymnasium work.

The work is to be divided between the two instructors in the following way:

One day Mr. McNamara will go through the first exercises in dumb bells, etc., and then the class will be divided into squads and each instructor will take one. One the next day, Coach Kanaly will take the first exercise and they both will work on the apparatus.

On account of the large number of men in the freshmen class this year, the different sections will be quite crowded and if any upperclassmen intend taking this work, they will have to take one of the small classes which come the last part of the week.

The classes will be made up as follows:

Mondays, sections 1, 3, 5, 11, 15, 17, 19 and 21; Tuesday, sections 1, 2, 3, 4, 5, 12, 13, 14, 15, 16, 17 and 19; Wednesday, sections 4, 6, 7, 9, 11, 16, 18, 20, 21 and 22; Thursday, sections 2, 6, 7, 8, 9, 10, 13, 14, 18, 20 and 22; Friday, sections 8, 10, 12. On Wednesday the work will begin at 3:30 and continue until 4:30. On the other days, it will be from 3:00 to 4:00. All men will be expected to report promptly.

Work for these men who are substituting track, will begin at once. It will be road work until the weather fences the men indoors.

### HARE AND HOUNDS

#### Held At West Roxbury. Few Men Report. Run Next Saturday

Saturday afternoon the weekly hare and hound run was held in West Roxbury. The run was over the handicap course and offered an excellent opportunity for the men to practice for the handicap race to be held the last of this month.

It was a great surprise to Coach Kanaly to see how few men showed up, especially among the freshmen, none of whom ran Saturday.

Coach Kanaly ran with the men all the way. Those who ran were Foster Russell 1911, N. Rausahoff 1910, E. W. DeWitt 1911, R. M. Ferry 1912, L. O. Mills 1911, and C. P. Eldred 1911.

Next Sunday all men interested in the handicap race will have a chance to walk over the course with some men who know it thoroughly. There will also be a run Saturday. Watch the bulletin boards.

### HARRIMAN ENGINES ENTIRELY NEW TYPE

#### Two Models On Exhibition In Basement Of Pierce Building

An entirely new type of prime movers may be seen every day in the basement of the Pierce building. Two Harriman rotary engines are on exhibition. One is operated by steam and develops 25 H. P., while the other is equipped for either gasoline or illuminating gas.

The construction is very simple. A cylindrical piston or rotor, as it is called, is keyed to the shaft eccentrically within a cylindrical "rotor case." As the steam enters from the inlet valve it pushes against the rotor which is forced against the side of the case, thus confining the steam, which by expanding, forces the rotor around nearly an entire revolution, until the exhaust valve is reached. At this point the steam is allowed to leave the rotor case and can be exhausted into the air, a condenser, or used again in a similar low pressure cylinder.

The original cost of these engines is much lower than that of reciprocal engines of the same rating and they are more efficient. The inventor claims that they require less lubrication and attention than other engines, together with lower cost of operation. They possess several distinct advantages over the turbines, especially in the utilization of the expansive force of steam. The weight per horse-power is much less than in other types of engines and there is less wear.

The first successful internal combustion rotary engine is also on exhibition. The principle of operation is identical, except, of course, that the rotor is forced around by the explosion of the mixture instead of the steam. When gasoline is used, a compressor is necessary to produce the compression in the rotor case, this is not necessary, however, when illuminating gas from the street mains is used. This engine is only a small model and develops little power, but it is exceedingly interesting, illustrating, as it does, one invention in power development.

The theoretical principle of rotary engines is not new, but Mr. Harriman is the first inventor to successfully meet the mechanical difficulties involved in the actual construction of the rotors. The models are practically noiseless, in spite of the fact that no mufflers are employed, and there is little vibration.

### TENNIS FINALS

By defeating P. M. Wentworth 1909, in three straight sets last Saturday, F. W. Coville 1911, won the Fall Tennis Tournament.

This was the last round of singles. The following is a summary of the finals and semi-finals:—

Parker won from Keith by default. Coville defeated Harkness, 6-1, 6-4. Lawton defeated Kerr, 6-4, 7-5. Wentworth defeated Flansburg, 6-2, 6-0. Coville defeated Parker, 7-9, 6-2, 6-3. Wentworth defeated Lawton, 4-6, 6-1, 6-4. Finals—Coville defeated Wentworth, 6-3, 10-8, 6-2.

### 1910 CLASS MEETING

There will be a meeting of the senior call in Huntington Hall, at one o'clock, on Wednesday. The class assessment for this term and the matter of a class dinner will come up, so that it is important that every member of the class be present.

### MORE CANDIDATES NEEDED FOR THE TECH

#### Positions Open In The Many Depots---Excellent Chance For New Men

For a second time this year, The Tech makes an appeal for candidates to the various positions it has to offer. To those who have recently given their energies to the class teams for Field Day this call in particular applies, for they, much more than those who have done little else than the eternal grind, realize the benefits of student activities.

Unlike many of the activities, The Tech does not go on the year basis. It is a continuous organization. All appointments are made on the basis of the most consistently good work done by those in line for the position. There are five steps in the progression, from either in the business or news candidates to that of General Manager. After a certain number of points, determined by quality and quantity, have been reached, the election to the staff is announced and then comes the selection of the associate, who has direct control over some part of the work of publication. From the associates are selected the board members, who are the directors of the paper and who select the different heads.

This scheme of organization gives an experience in an embryo business that allows of all the originality and capabilities that one is willing to put into it without any of the drawbacks of slow results or disastrous results of bad experiments met with in after life.

There is even more in this storehouse of experience of directing and doing things. There are the benefits right at hand of a useful diversion from studies, and in the personal contact with those who are doing things, either in the business world, if working on the business end, or with those who are or will be doing things, among those here at the Institute, if working on the news end.

There are positions now open in the advertising, circulation, and news departments and besides the recently undertaken art work. Pick out the line most suited to your capabilities or desires and get in the work right now. The sooner you start the further you will get. See those in charge of your desired line in the upper Tech office daily, from 1:45 to 2:00 P. M.

### CATHOLIC CLUB

#### Rev. Michael Scanlon To Address Members on Spiritualism

On Wednesday, Rev. Father Michael J. Scanlon will address the members of the Catholic Club on Spiritualism, in the small room in the Union, at 8:15.

Father Scanlon graduated from Boston College in 1895 and took post graduate work at Georgetown. After teaching for two years in Washington, D. C., he commenced his clerical studies in the historical Gregonian University at Rome. He is a proficient scholar and a lecturer of note. His subject, Spiritualism, will be most instructive as well as interesting, dealing as it does with the strange phenomena of the unseen world and expounding the ethical principles which should guide us in the matter of these mysterious manifestations.

## THE TECH.

Published daily except Sunday during the college year by students of the Massachusetts Institute of Technology.

Entered as second class matter Sept. 29, 1909, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

General Manager,  
R. H. Ranger 1911

### News Board.

D. P. Gaillard 1911 .... Editor-in-Chief  
A. L. Fabens 1910 .... Institute Editor  
J. I. Murray 1912 .... Athletic Editor  
G. M. Keith 1912 .... Exchange Editor  
J. Ahlers 1910 .... Society Editor

### Business Board.

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D. N. Frazier 1911, Circulation Manager  
H. Merrill 1912 ... Advertising Manager

### Advertising Associate,

R. M. Barton 1911 .. Asst. Adv. Mgr.

### Circulation Associates.

S. C. Neff 1912 .... Mailing and Dist.  
H. D. Kemp 1912 .... Posters  
A. Yereance 1911 .... Notices

### Monday Issue,

S. C. Bates, 1911 .... Associate Editor

All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Circulation Manager.

Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage at the rate of one cent for each copy.

Subscription \$1.50 per year in advance  
Single Copies 1 Cent.

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BOSTON, MASS., NOVEMBER 8, 1909.

The Tech announces the resignation of K. N. Wildes 1912, from the position of associate editor, the election of L. G. Fitzherbert 1911, to his place, and that of M. A. Oettinger 1912 to the news staff.

## THANKS TO TECH MEN

The following has been requested to be published:

At the meeting of the Boston-1915 directors, on Friday, Oct. 29th, a vote of thanks was passed to the students who took part in the moving picture pageant, and I have been desired to express to them the very hearty appreciation of the directors for their faithfulness in carrying out the project under most trying circumstances of postponement.

Very truly yours,

A. E. GELMAN,  
Assistant Secretary Boston-1915.

### CALENDAR.

Monday, November 8.

4:00 P. M.—Meeting Union Dining Room Committee in Union.

Tuesday, November 9.

1:30 P. M.—Meeting M. A. H. S. Club in 26 Rogers.

4:15 P. M.—Meeting Civil Eng. Society in 11 Eng. B.

4:15 P. M.—Banjo Club.

Wednesday, November 10.

1:00 P. M.—1910 Class Meeting in H. H.

1:10 P. M.—Business Meeting Biological Society, 28 Pierce.

8:15 P. M.—Catholic Club Meeting in Union.

Thursday, November 11.

4:15 P. M.—Banjo Club.

Friday, November 12.

8:00 P. M.—Friday Night Entertainment. Union.

The consistory of the University of Copenhagen yesterday declined to accept the proposal of the National Geographical Society that a committee representing the American body be present when the North Polar records of Dr. Cook are first examined.

## M. I. T. CHESS CLUB

President, 1908.

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1909

Samuel M. Schmidt, '11

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S. C. Neff '12

H. M. Priest '12

L. Rosenstein '10

S. M. Schmidt '11

L. Schwartz '11

R. J. Touralbas '10

## INTERCOLLEGIATE NOTES

Jacques, the champion Harvard distance man, will probably be in running shape by spring, following an operation on his leg. He chopped his foot during the summer vacation while cutting wood.

According to one of the Wisconsin ball players who made the recent baseball trip, the Japanese undergraduates are planning the formation of an intercollegiate league.

Williams College has added a lounging room to its Commons.

Purdue University celebrated last week the 107th anniversary of the birth of John Purdue.

The Harvard Lampoon is constructing a building which will be devoted entirely to its own interests. This is the first time that a humorous publication has attempted such a proposition.

## AT THE THEATRES

Boston—"Three Twins." Matinees at 2. Evening at 8.

Globe—"The Blue Mouse." Matinees at 2. Evening at 8.

Colonial—"The Fair Co-Ed." Saturday matinee only, 2:15. Evening at 8:15.

Tremont—"The Love Cure." Matinees at 2. Evening at 8.

Hollis—"A Woman's Way." Matinees at 2:15. Evening at 8:15.

Park—"A Gentleman from Mississippi." Matinees at 2. Evening at 8.

American—Vaudeville. Matinees daily at 2. Evening at 8.

Keith's—Vaudeville. Matinees daily at 2. Evening at 8.

Boston Opera House—Grand Opera.

## FOWNES GLOVES

will be worn longer this season than others—that is, other gloves.

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5 Park Square, Boston.

## CIVIL ENG. SOCIETY

### Visits Lynn Grade Crossings On Saturday Afternoon

On Saturday, Nov. 13, the Civil Engineering Society went to Lynn on its first excursion for the season. While there the men visited the grade crossings which are about to be abolished. The trip was especially interesting because Prof. Breed who accompanied the men is a consulting engineer for the city and represents in it the changes which are being made. No definite plans have as yet been made for other trips, but several places are being considered.

L. C. Lawton and E. A. Hadley, engineers on the Boston and Maine Railroad, will speak to the Civil Engineering Society tomorrow afternoon at 4:15 in 11 B. The subject of their talk will be "The Abolition of Grade Crossings." Both Mr. Lawton and Mr. Hadley have worked on the grade crossings in Somerville and Malden, and will make special references to these very important engineering accomplishments.

Pres. MacLaurin has been asked to address the society and will probably do so in the early part of December.

This meeting is the first lecture of the society and a large attendance is expected. Members of Courses One and Eleven will be proposed for membership.

In connection with this lecture, on Nov. 13, will come an excursion to the Somerville and Malden crossings. This trip will be practical as well as instructive, and every member should make it a point to go. The committee in charge consists of C. W. Arkell 1910, C. H. Lovejoy 1910, S. B. Cummings 1910, J. B. Babcock 1910, P. R. Fleming 1911, and N. L. Manley 1911.

Keep Up-to-Date  
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## CURRENT EVENTS

John Stewart Kennedy, one of America's little-known rich men, who died of whooping cough in his New York residence last Sunday, left bequests of more than \$25,000,000 to religious, charitable and educational institutions in his will. The gift is the largest single contribution of its kind ever made, and the beneficiaries include educational and church institutions, North, South, East and West in the country, and several abroad—sixty in all. Nearly half of the \$25,000,000 goes to institutions connected with the Presbyterian Church, of which Mr. Kennedy has been an active member for many years. Other large beneficiaries include the American Bible Society, the Metropolitan Museum of Art, the New York Public Library, the New York United Charities, Columbia University and Robert College, Constantinople.

Carlisle has decided to discontinue baseball for this year because so many of the players left college. It is probable that La Crosse will be substituted in its stead.

The football championship of the West will be decided on Nov. 20, when Michigan meets Minnesota at Minneapolis, and Chicago plays Wisconsin at Madison.

The mascot of the University of Iowa is a large cinnamon bear, which is large and strong enough to require caging. During the practices it is kept near the bleachers.

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## Trinity Court Petit Lunch

Menu, Monday, Nov. 8, 1909.

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Beef Stew with vegetables.  
Fried Calves Liver and Bacon.  
French Potatoes with spaghetti.  
Breaded Veal Chops, Tomato Sauce.  
Roast Rib of Beef—Leg of Mutton  
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Pastry or Coffee.  
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**SLIDE RULE LECTURES**  
  
Tomorrow afternoon there will be held in 24 Walker the fourth lecture on the use of the slide rule. These lectures are given by Prof. Derr and any one interested is privileged to attend. Lectures up to the present time have covered the position of the decimal point. The following lectures will be on squares, cubes, square roots and cube roots.  
  
The attendance has been fairly large, about fifty men attending regularly. The lectures are held from 4:00 till 5:00 P. M.

**GENERAL NOTICES.**  
  
**FRENCH CONFERENCES.**  
Conferences in French I and French II are held as follows:  
Tuesdays from 9-10 by Professor Bigelow in Room 31, Lowell.  
Thursdays, from 10-11 by Professor Bigelow in Room 31, Lowell.  
Fridays, from 11-12 by Mr. Blachstein in Room 22, Lowell.  
Fridays, from 12-1 by Professor Bigelow in Room 31, Lowell.  
Students of French I and French II are invited to attend these exercises, irrespective of the sections to which they belong.  
  
**French I.**  
This subject, on Thursdays, will recite from 8 to 9, instead of from 4 to 5. Otherwise as heretofore.  
  
**CANDIDATES FOR GRADUATION.**  
Notes in regard to status with reference to graduation have been sent to fourth year students. Any student who has not received a note should consult me if he expects to be a candidate for graduation in June, 1910.  
A. L. MERRILL,  
Secretary of the Faculty.

The Women's Society of the Temple Israel will give a dance on Nov. 22 to the Jewish students in the schools and colleges in and around Boston. Invitations will be sent to all who leave their names before Nov. 6, with the president's assistant in 10 Rogers. 29,31,33  
  
1910.—Class meeting Wednesday, at 1:00 P. M. in Huntington Hall. 35, 36, 37.

**NOTICE.**  
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